

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 10 (cancelled)

Claim 11 (currently amended): A portable assembly apparatus for emergency ventilation, comprising:

- a) a source of compressed gas, wherein said compressed gas course is equipped with a gas pressure-reducing valve device to control the flowrate and the pressure of the gas issuing from said compressed gas source;
- b) a respiratory assistance ventilator fed with gas by said compressed gas source; and
- c) a man/machine interface cooperating with said ventilator so as to permit regulation of at least one ventilation parameter and at least one ventilation set-point,

wherein said respiratory assistance ventilator comprises an internal gas circuit forming a fluidic connection from an inlet orifice to an outlet orifice, and a proportional valve being arranged on said internal circuit, said valve being controlled by control means cooperating with said man/machine interface,

wherein said respiratory assistance ventilator further comprises a flowrate sensor and a pressure sensor for measuring the flowrate and the pressure of the gas in the internal circuit, said sensors cooperating with said control means in such a way as to permit automatic control and regulation of said proportional valve in terms of flowrate or pressure,

wherein said man/machine interface comprises means for regulating a ventilation set-point or parameter in order to permit selection and regulation of at least one ventilation parameter or of at least one ventilation set-point, and

wherein said pressure-reducing valve device, said respiratory assistance ventilator, and said man/ machine interface cooperating with said ventilator form a compact system supported by said compressed gas source.

Claim 12 (previously presented): The apparatus according to claim 11, wherein said gas pressure-reducing valve device comprises an outlet connector to which said respiratory assistance ventilator is fixed.

Claim 13 (cancelled)

Claim 14 (currently amended): The apparatus according to ~~claim 13~~ claim 11, wherein said respiratory assistance ventilator further comprises a venturi injector arranged on said internal circuit, downstream of said proportional valve.

Claim 15-16 (cancelled)

Claim 17 (currently amended): The apparatus according to ~~claim 16~~ claim 11, further comprising display means cooperating with said regulating means in order to make it possible to visualize and display at least one value of at least one ventilation parameter or of at least one ventilation set-point that has been selected and regulated.

Claim 18 (currently amended): The apparatus according to ~~claim 13~~ claim 11, wherein further comprising a patient circuit with at least one gas conduit connected, via its upstream end, to said outlet orifice of said ventilator and, via its downstream end, to a respiration mask.

Claim 19 (previously presented): The apparatus according to claim 11, wherein said pressure-reducing valve and said ventilator are protected by a protective hood fixed on said compressed gas source.

Claim 20 (currently amended): The apparatus according to ~~claim 16~~ claim 11, wherein said means for regulating a ventilation set-point or parameter permit selection and regulation of at least one ventilation parameter or of at least one ventilation set-point are selected from the group consisting of:

- a) ventilation frequency;
- b) ventilation flowrate;
- c) ventilation volume;
- d) composition of the gas mixture;

- e) inhalation trigger threshold;
- f) inhalation time;
- g) exhalation time;
- h) inhalation time and exhalation time;
- i) ratio of inhalation time and exhalation time;
- j) positive expiratory pressure (PEP);
- k) ventilation mode; and
- l) maximum safety pressure.

Claim 21 (cancelled)

Claim 22 (previously presented): The apparatus according to claim 11, wherein said compact system is supported by an oxygen cylinder.

Claim 23 (previously presented): The apparatus according to claim 11, wherein the total weight is less than 25 kg.

Claim 24 (previously presented): The apparatus according to claim 23, wherein the total weight is less than 15 kg.

Claim 25 (previously presented): The apparatus according to claim 11, further comprising a carrier arrangement.

Claim 26 (previously presented): The apparatus according to claim 25, wherein said carrier arrangement is selected from the group consisting of:

- a) backpack;
- b) harness; and
- c) any similar carrying means.

Claim 27 (previously presented): A portable assembly apparatus for emergency ventilation, comprising:

- a) a source of compressed gas, wherein said compressed gas course is equipped with a gas pressure-reducing valve device to control the flowrate and the pressure of the gas issuing from said compressed gas source;

- b) a respiratory assistance ventilator fed with gas by said compressed gas source; and
- c) a man/machine interface cooperating with said ventilator so as to permit regulation of at least one ventilation parameter and at least one ventilation set-point,

wherein said gas pressure-reducing valve device comprises an outlet connector to which said respiratory assistance ventilator is fixed;

wherein said respiratory assistance ventilator comprises an internal gas circuit forming a fluidic connection from an inlet orifice to an outlet orifice, and a proportional valve being arranged on said internal circuit, said valve being controlled by control means cooperating with said man/machine interface;

wherein said man/machine interface comprises means for regulating a ventilation set-point or parameter in order to permit selection and regulation of at least one ventilation parameter or of at least one ventilation set-point;

wherein said pressure-reducing valve and said ventilator are protected by a protective hood fixed on said compressed gas source;

wherein said pressure-reducing valve device, said respiratory assistance ventilator, and said man/ machine interface cooperating with said ventilator form a compact system supported by said compressed gas source; and

wherein said compact system is supported by an oxygen cylinder.

Claim 28 (previously presented): The apparatus according to claim 27, wherein the total weight is less than 15 kg, and further comprises a carrier arrangement selected from the group consisting of:

- a) backpack;
- b) harness; and
- c) any similar carrying means.

Claim 29 (previously presented): A method of providing emergency ventilation to a patient comprising treating said patient with oxygen, wherein said oxygen is provided using a portable assembly comprising:

- a) a source of compressed gas, wherein said compressed gas course is equipped with a gas pressure-reducing valve device to control the flowrate and the pressure of the gas issuing from said compressed gas source;

- b) a respiratory assistance ventilator fed with gas by said compressed gas source; and
- c) a man/machine interface cooperating with said ventilator so as to permit regulation of at least one ventilation parameter and at least one ventilation set-point.

Claim 30 (new): A portable assembly apparatus for emergency ventilation, comprising:

- a) a source of compressed gas, wherein said compressed gas course is equipped with a gas pressure-reducing valve device to control the flowrate and the pressure of the gas issuing from said compressed gas source;
- b) a respiratory assistance ventilator fed with gas by said compressed gas source; and
- c) a man/machine interface cooperating with said ventilator so as to permit regulation of at least one ventilation parameter or at least one ventilation set-point,

wherein said respiratory assistance ventilator comprises an internal gas circuit forming a fluidic connection from an inlet orifice to an outlet orifice, and a proportional valve being arranged on said internal circuit, said valve being controlled by control means cooperating with said man/machine interface,

wherein said respiratory assistance ventilator further comprises a flowrate sensor and a pressure sensor for measuring the flowrate and the pressure of the gas in the internal circuit, said sensors cooperating with said control means in such a way as to permit automatic control and regulation of said proportional valve in terms of flowrate or pressure,

wherein said man/machine interface comprises means for regulating a ventilation set-point or parameter in order to permit selection and regulation of at least one ventilation parameter or of at least one ventilation set-point, and

wherein said pressure-reducing valve device, said respiratory assistance ventilator, and said man/ machine interface cooperating with said ventilator form a compact system supported by said compressed gas source.

Claim 31 (new): A method of providing emergency ventilation to a patient comprising treating said patient with oxygen, wherein said oxygen is provided using a portable assembly according to claim 30.

Claim 32 (new): The apparatus according to claim 30, wherein said gas pressure-reducing valve device comprises an outlet connector to which said respiratory assistance ventilator is fixed.

Claim 33 (new): The apparatus according to claim 30, wherein said respiratory assistance ventilator further comprises a venturi injector arranged on said internal circuit, downstream of said proportional valve.

Claim 34 (new): The apparatus according to claim 33, further comprising display means cooperating with said regulating means in order to make it possible to visualize and display at least one value of at least one ventilation parameter or of at least one ventilation set-point that has been selected and regulated.

Claim 35 (new): The apparatus according to claim 30, wherein further comprising a patient circuit with at least one gas conduit connected, via its upstream end, to said outlet orifice of said ventilator and, via its downstream end, to a respiration mask.

Claim 36 (new): The apparatus according to claim 30, wherein said pressure-reducing valve and said ventilator are protected by a protective hood fixed on said compressed gas source.

Claim 37 (new): The apparatus according to claim 33, wherein said means for regulating a ventilation set-point or parameter permit selection and regulation of at least one ventilation parameter or of at least one ventilation set-point are selected from the group consisting of:

- a) ventilation frequency;
- b) ventilation flowrate;
- c) ventilation volume;
- d) composition of the gas mixture;
- e) inhalation trigger threshold;

- f) inhalation time;
- g) exhalation time;
- h) inhalation time and exhalation time;
- i) ratio of inhalation time and exhalation time;
- j) positive expiratory pressure (PEP);
- k) ventilation mode; and
- l) maximum safety pressure.

Claim 38 (new): The apparatus according to claim 30, wherein said compact system is supported by an oxygen cylinder.

Claim 39 (new): The apparatus according to claim 30, wherein the total weight is less than 15 kg.

Claim 40 (new): The apparatus according to claim 30, further comprising a carrier arrangement selected from the group consisting of:

- a) backpack;
- b) harness; and
- c) any similar carrying means.